

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1-10. (Canceled)

11. (Currently Amended) An isolated polypeptide monomer comprising an alpha subunit of a heteromeric potassium channel, the polypeptide monomer:

(i) having the ability to form, with at least one additional ~~Kv~~ voltage-gated potassium channel (Kv) alpha subunit, a heteromeric potassium channel having the characteristic of voltage gating; and

*OK w/ applicant* (ii) having an amino acid sequence that has greater than 70% <sup>95%</sup> ~~90%~~ amino acid sequence identity to ~~SEQ ID NO: 1 or SEQ ID NO: 17;~~ and

(iv) ~~specifically binding to polyclonal antibodies generated against SEQ ID NO: 1 or SEQ ID NO: 17.~~

12-13. (Cancelled)

14. (Currently Amended) The isolated polypeptide monomer of claim 11, wherein the polypeptide monomer has ~~an~~ the amino acid sequence of ~~SEQ ID NO: 1 or SEQ ID NO: 17.~~

15-36. (Canceled)